# VERSION WITH MARKINGS TO SHOW CHANGES MADE

Please amend claims 1-20 as follows:

- (Amended) An [E]electro-mechanical drive device for 1. adjustment device(s) of a motor vehicle, [more particularly for a window litter, which has | comprising:
- a gearing with a gear housing (A2, A2, B2, C2, D2, E2, <del>-D2'')</del>];

an electric motor (<del>(A1, D1, D1'')</del>) mechanically connected to the gearing;

a control device [<del>(A5, A5', B5, C5, D5', D5'', E5)</del>] mounted in the gearing housing [(A2, A2', B2, C2, D2', D2')] and having at least one power semi-conductor for controlling the electric motor [(A1, C1, D1, D1 LL)]; and

means (-(A9, A91, B9, C9, D9, D91, D91, E9) thermally coupled to the at least one power semi-conductor as a heat sink for drawing off waste heat from the at least one power semi-conductor, wherein the means [<del>{A9}, A9', B9, C9, D9', D9'', E9}</del>] <u>is</u> [8re] integrated in the goar housing  $[\frac{(h2, h2', B2, G2, D2', D2'')}]$ .

- (Amended) An [B]electro-mechanical drive device according to claim 1, [characterised in that] wherein for the purpose of coupling, the means [<del>((A9, A9', B9, C9, D9', D9', E9)</del>] and a power semi-conductor housing (<del>Ab, Ab', Bb, Cb, Db'', Eb)</del>) are fixed with force-locking engagement against one another in order to reduce a heat transfer resistance.
- (Amended) An [E]electro-mechanical drive device according to claim 2, (characterised in that) wherein for the force-locking engagement, [connection] the means [(A9, A9', B9, C9, D9', D9'', E9) is [are] spring-tensioned through a spring element against the power semi-conductor housing [<del>A5, A5', B5, C5, B5'', E5)</del>].

- 4. (Twice Amended) An [E]electro-mechanical drive device according to claim 1, [characterised in that] wherein a heat conducting means is mounted for thermal coupling between the means [<del>(A9, A9+,</del> B9, C9, D9', D9'', E9) and a power semi-conductor housing [+A5, A5', B5, C5, D5', D5'', R5)
- 5. (Twice Amended) An (E)electro-mechanical drive device according to claim 1, [characterised in that] wherein the gear housing [<del>(A2, A2', B2, C2)</del>] has an opening for inscrting the means [<del>(A9, A9',</del> B9, C9) and guide elements for positioning the means (<del>(A9, A9', B9,</del> (A9, A91) in an end position, and (that) the [inserted] means [(A9, A91) 89, C9) is [in particular] lockable in the end position.
- 6. (Twice Amended) An [E]electro-mechanical drive device according to claim 1, [characterized in that] wherein the means [(C9, <del>D9; D9'', D9'', E9)</del>| (are | is injection moulded at least in part in an injection moulded plastics housing [<del>(C2, D2, D2', D2')</del>] of the gearing.
- 7. (Twice Amended) An [#]electro-mechanical drive device according to claim 1, [characterised in that] wherein the gear housing has supporting parts, the means [(C9, D9, D9', E9)] is [are] hermetically sealed in the gear housing (<del>(C2, D2, D2')</del>) against fluids and dust particles, and [that] the means [(09, D9, D9, E9)] is (are) positioned against a wall (<del>(C92, D92, D92')</del>) of the gear housing (<del>(C2,</del>  $\frac{D2}{D2}$ ,  $\frac{D2}{D2}$ ) wherein the wall ( $\frac{(C92, D92, D92)}{D92}$ ) is thinner than the supporting parts of the gear housing (<del>(C2, D2, D2') in order to have</del> a lower heat transfer resistance).
- (Twice Amended)  $\underline{An}$  [ $\pm$ ]electro-mechanical drive device according to claim 1, [characterised in that] wherein the means [1697] <del>D9, D9', D9'', E9)</del>] [<del>have</del>]<u>acts</u> as <u>a</u> heat conductor [<del>(C9, D9, D9',</del>

(a further coupling) with a cooling element to discharge the waste heat diverted away from the at least one power semi-conductor to the cooling element, and [that] the cooling element is [in particular] a support plate on which the gear housing [(C2, D2,  $\frac{D2', D2''}{}$ ] is fixed.

- 9. (Amended) An [E]electro-mechanical drive device according to claim 8, (characterised by) further comprising a mechanical connection between the heat conductor [(C9, D9, D9', D9'', E9)] and the gear housing  $[\frac{\langle G2, D2, D2, D2, D22 \rangle}]_{L}$  and  $[\frac{by}{y}]$  a fastening element [<del>(C90, D90, D90', D90'', E90)</del>] integrated in the heat conductor [<del>(C9,</del> <del>D9, D9', D9', E9)</del>] for fixing the gear housing [<del>(C2, D2, D2', D2')</del>] on the cooling element.
- 10. (Twice Amended) An [#]electro-mechanical drive device according to claim 1, (characterised in that) wherein a bearing  $\left(\frac{(E9115)}{E9115}\right)$  for a gear element  $\left(\frac{(E115)}{E9115}\right)$  of the gearing is integrated in the means [-(E9)].
- (Amended) An [R]electro-mechanical drive device according to claim 10, [characterised in that] wherein the means [(R9)] [have] has positioning elements for positioning the control device [482] relative to at least one of the gear element [(E115) or to] and a magnet  $(\frac{(E155)}{})$  fixed on the gear element  $(\frac{(E115)}{})$ .
- 12. (Twice Amended) An [E]electro-mechanical drive device according to claim 1, [characterised in that] wherein the means is a cooling lid, an opening  $[\frac{(A25)}{B2}]$  of the gear housing  $[\frac{(A2, A2', B2)}{B2}]$ is closed by [a] the cooling lid (A9, A9', B9) as means (A9, A9',  $\frac{B9}{B}$  and  $\frac{1}{B}$  the cooling lid  $\frac{A9}{B}$  has  $\frac{1}{B}$ cooling ribs.

- 13. (Amended) An [fi]electro-mechanical drive device according to claim 12, wherein the opening is sealed by a material connection, comprising one of ultra sound welding of the cooling lid (A9, A9), <del>139)</del>] to an edge of the opening [(A25) or], and sticking of the cooling lid [(A9, A9+-B9) to an edge of the opening (A25) through an adhesive between the cooling lid [(A9, A9', B9)] and an edge of the opening [-<del>(7:25-)-</del>].
- 14. (Twice Amended) An [H]electro-mechanical drive device according to claim 1, [characterised in that] wherein conductor panels which are insulated from each other are arranged on the means [4A9, A9', B9, C9, D9', D9', E9) to connect at least one structural element[s] and at least one interface [s] of the control device [A5,  $\Delta 5', B5, C5, D5', D5'', B5)$
- (Amended) An [#]electro-mechanical drive device according to claim 14, [characterised in that] wherein the conductor panels have contact elements which can be contacted during fitting of the means! (A9, A91, B9, C9, D9, D91, D91, E9)].
- (Amended) A [M]method for manufacturing an electromechanical drive device for adjustment devices of a motor vehicle, [more particularly for a window lifter, which has] wherein the drive device includes in the assembled state:
- a gearing in a gear housing; (<del>A2, A2', B2, D2', D2', D2')</del>) an electric motor [(Al, Dl, Dl'')] mechanically connected to the gearing<u>:</u>
- a control device [<del>(A5, A5), B5, B5', B5', B5')</del>] with a power  $\frac{\partial 2^{(1)}}{\partial x}$  and controlling the electric motor  $\{(A1, D1, D1^{(1)})\}_{i=1}^{n}$  and

[has] a means [tA9; A9+, B9; D9, D9+, D9+, E9)] integrated in

the gear housing (\(\frac{A2, A2', B2, D2, D2', D2', B2''\)\) as \(\alpha\) heat sink \(\frac{A2 - A2' - B2 - B2 - B2' - B2'' -

thermally [coupled] coupling the power semi-conductor to the means [(A9, A9', B9, D9', D9'', E9)] as <u>a</u> heat sink [at the same time as]; and

simultaneously at least one of mounting the means [(A9, A9', B9, D9', D9'', E9)] as <u>a</u> heat sink [or as] <u>and</u> fitting the control device [(A5, A5', B5, D5', D5'', E5)].

- 17. (Amended) The [M]method according to claim 16, [characterised in that for the purpose of coupling] wherein the means is a heat conducting means [(C9, D9'', E9)] and is fixed as heat sink with the gear housing [(C2, D2'', E2)] on a support plate, and [wherein] the heat conducting means ((C9, D9'', E9)) is pressed against the housing of the power semi-conductor of the control device [(C5, D5'', E5)] through [the] a fastening.
- 18. (Amended) The [M]method according to claim 16, [tharacterised in that] wherein the means [(B9)] is moved from a first mechanically stable state without thermal coupling to the power semiconductor into a second mechanically stable state for coupling in order to thermally couple the means [(B9)] through contact in the second mechanically stable state with the housing [(B5)) of the power semi-conductor.
- 19. (Amended) The [M]method according to claim 16, [characterised in that] wherein the means is [as means] a cooling lid [(A9, A9')] and is welded by ultrasound into an opening [(A95)] of the gear housing [(A2, A2') up] to contact with the housing [(A91)] of the power semi-conductor.

20. (Amended)  $\Lambda$  [Use of a] hermetically scaled gear housing [<del>(D2, D2', D2'')</del>] of an electro-mechanical drive device of an adjustment device for motor vehicles [, more particularly for window lifters, | for diverting waste heat from a power semi-conductor which is integrated in a control device [+B5', B5'', E5)] in the gear housing [<del>(D2, D2', D2'')</del>] wherein at least a part of the gear housing [(D2, D2', D2'')] is thermally coupled to the power semi-conductor to draw off the waste heat.

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